

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 08009391
PUBLICATION DATE : 12-01-96

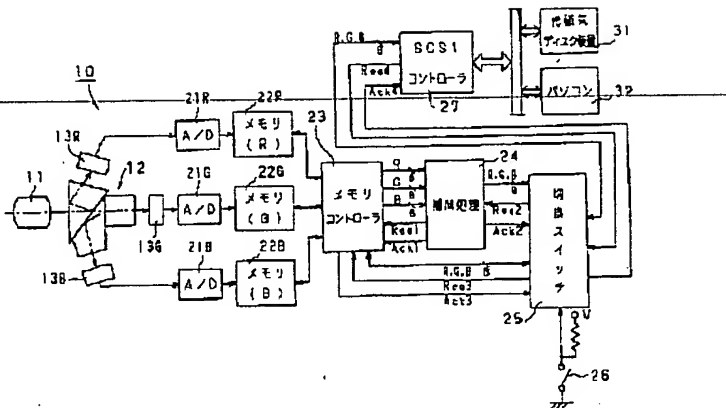
APPLICATION DATE : 23-06-94
APPLICATION NUMBER : 06141488

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INT.CL. : H04N 9/04 H04N 5/765

TITLE : IMAGE PICKUP DEVICE AND IMAGE PROCESSOR



ABSTRACT : PURPOSE: To provide an image pickup device and an image processor without the need of the data recording and reproducing device of a large capacity capable of utilizing high definition data obtained by the video camera of an oblique picture element shift three-plate type and shortening transfer time to the data recording and reproducing device.

CONSTITUTION: A/D converters 21R-21B convert image pickup signals from the video camera 10 of the oblique picture element shift three-plate type to source image data and store them in frame memories 22R-22B. An interpolation processing circuit 24 performs the interpolation processing of the source image data and generates the high definition data. A changeover switch 25 selects the source image data from the frame memories 22R-22B at the time of transferring the source image data to a magneto-optical disk device 31 and selects the high definition data from the interpolation processing circuit 24 at the time of transferring the high definition data to a personal computer 32 and the selected source image data and high definition data are transmitted through an SCSI controller 27 to the magneto-optical disk device 31 and the personal computer 32.

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